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February 3, 2004

Federal Communications Commission
Office of Engineering & Technology
Experimental License Branch
Washington, DC

Re: Modification of KE2XZF

You will find attached an email string between our site personnel and the FAA. They were in communications with Tim Pawlowitz and John Mormino regarding a change to the granted authorization, KE2XZF. The purpose of the communications were to determine why a restricted pulse rate and duration rate were placed on the tested systems. They were requesting a change could be made to the rates as they were restrictive to the overall operations of the program.

Based on the communications between Mr. Pawlowitz and Mormino and transmitted to the site personnel it was determined such a restriction was inadvertent and we could change the rates as necessary, following their suggested guidelines. So we are requesting the following technical changes of the authorized rates as follows, with the consent of the FAA:

- (5) The Pulse Repetition Rate (PRR) = 1-1000 pps.
- (6) The Pulse Duration (PD) = 2 us

to:

- (5) The Pulse Repetition Rate (PRR) = 1-4000 pps.
- (6) The Pulse Duration (PD) = 16us.

The other change is administrative, we wish to add the following contracts to be covered by this application. They are:

Swiss - 4500'306'888

Australia - 093MOC054

All previously authorized technical and administrative information and data remains unchanged at this time. If you should have any questions regarding this program, please feel free to contact Brian Budwey on (315) 456-2051.

Very Truly Yours,

Claude E. Wells
Corporate
Tech. Support Analyst

-----Original Message-----

From: Luban, Jeffrey M
Sent: Monday, November 24, 2003 10:22 AM
To: Wells, Claude; Budwey, Brian K; Gorczyca, Mitch
Subject: FW: PSTAR

Claude,

I finally got a response back from the FAA in regards to the PSTAR license. They said that we could modify the special conditions #5 & #6. Please request a modification to the FCC for this license. This is what I would submit:

Dear FCC,

Per the coordination with the FAA (Tim Pawlowitz and John Mormino) on November 14, 2003, please amend the FCC File # 0057-EX-ML-2002 (Call Sign: KE2XZF) to reflect a request for a change in Special Conditions #5 and #6 from:

(5) The Pulse Repetition Rate (PRR) = 1-1000 pps.

(6) The Pulse Duration (PD) = 2 us

to:

(5) The Pulse Repetition Rate (PRR) = 1-4000 pps.

(6) The Pulse Duration (PD) = 16us.

No other changes to the license are required at this time.

Sincerely,

Jeff Luban

Please keep me/Brian posted with the request/response. Thanks in advance,

Jeffrey Luban
Senior Engineer
Lockheed Martin - MS2
199 Borton Landing Rd
MS 108-206
Moorestown, NJ 08057
(856) 722-5031

-----Original Message-----

From: timothy.j.pawlowitz@faa.gov [<mailto:timothy.j.pawlowitz@faa.gov>]
Sent: Friday, November 14, 2003 8:55 AM
To: John.CTR.Mormino@faa.gov

Cc: Charles.Cassella@faa.gov; Luban, Jeffrey M
Subject: RE: PSTAR

John,

Sorry for the delay in my response. The short answer to your question is "I don't know why those restrictions were put on the assignment." A guess is that the PRR/PD information was not provided in their request and so we speculated on the type of system they were using and assigned parameters that had previously been used. They can adjust the PRR and PD as they see fit as long as the duty cycle does not exceed 8%. If they want to do a modification to the license to indicate this, they can, and just indicate that the change in authorized parameters has been coordinated with the FAA on this date.

Tim
John CTR Mor-
mino

To: Timothy J
Pawlowitz/AWA/FAA@FAA
11/04/2003 02:19 PM cc: Charles Cassella/AEA/FAA@FAA
Subject: RE:
PSTAR

Tim

Do you know why Chris Kaiteris would put restrictions on the Pulse Repetition Rate (PRR= 1-1000 pps) and Pulse Duration (PD= 2 us) for the PSTAR frequencies Lockheed Martin wants to use at **Syracuse. (Mobile 27nm). See FCC license at bottom of e-mail.** I found a folder Chris had on this topic but there was no mention of these parameters.

John Mormino
Eastern Region
Spectrum Engineer (NISC)
718-977-6546

Forwarded by John CTR Mormino/AEA/CNTR/FAA on 11/04/2003 02:11 PM

"Luban, Jeffrey M"
Mormino/AEA/CNTR/FAA@FAA

To: John CTR

<jeffrey.m.luban@lmco.com> cc: lmco.com>
Subject: RE:
PSTAR

10/28/2003
08:56 AM

John,

Has there been any insight into this issue? If we need to submit another case study, we can. We are just trying to figure out why the FCC license has pulse restrictions on it (items 5 & 6) and how they derived these values. The FCC claims it was the FAA that put these restrictions on the license. I attached the FCC license for reference. Thanks in advance,

Jeffrey Luban
Senior Engineer
Lockheed Martin - MS2
199 Borton Landing Rd
MS 108-206
Moorestown, NJ 08057
(856) 722-5031

-----Original Message-----

From: John.CTR.Mormino@faa.gov [<mailto:John.CTR.Mormino@faa.gov>]
Sent: Monday, October 06, 2003 4:35 PM
To: Luban, Jeffrey M
Subject: RE: PSTAR

Jeff

Do you have a Lat/Long for this Radar. I will ask ASR if they remember anything about this request.

John Mormino

Eastern Region
Spectrum Engineer (NISC)
718-977-6546

"Luban, Jeffrey M"
To: John CTR
Mormino/AEA/CNTR/FAA@FAA
<jeffrey.m.luban@lmco.com> cc:
Subject: RE: PSTAR
10/06/2003 11:33 AM

I am not sure what the FAA study number was. Is there any way to search the FAA database for Lockheed request? I believe the original request was done through Chris Kaiteris (He has since moved on). There was a lot of talk between the FCC and the FAA regarding Lockheed's licenses around the 1200-1400 MHz range in the past few months. If you can't find the study, I guess I can submit a new one.

Jeffrey Luban
Senior Engineer
Lockheed Martin - MS2
199 Borton Landing Rd
MS 108-206
Moorestown, NJ 08057
(856) 722-5031

-----Original Message-----

From: John.CTR.Mormino@faa.gov [mailto:John.CTR.Mormino@faa.gov]
Sent: **Monday, October 06, 2003 10:29 AM**
To: Luban, Jeffrey M
Subject: Re: PSTAR

Jeff

This is the first time you sent me anything in this frequency band (1200 to 1400 MHz). The previous requests were at 2700 to 2900 MHz and 9000 to 9200 MHz. Can you tell me what FAA study numbers you have for the 1200 to 1400 Mhz band frequencies listed in the e-mail below.

John Mormino
Eastern Region
Spectrum Engineer (NISC)
718-977-6546

"Luban, Jeffrey M"
To: John CTR
Mormino/AEA/CNTR/FAA@FAA
<jeffrey.m.luban@ cc:

lmco.com>
Subject: PSTAR
10/03/2003 12:57 PM

John,

I am not sure if I sent this too you, but here it goes again: a license was granted in the FAA band, but restrictions were put on the authorization. These restrictions hinder the operation of the radar. The FCC told me that I would need to go back to the FAA to ask permission to modify the current FCC license.

Jeffrey Luban
Senior Engineer
Lockheed Martin - MS2
199 Borton Landing Rd
MS 108-206
Moorestown, NJ 08057
(856) 722-5031

(See attached file: PSTAR_8_27_03.doc)
(See attached file: KE2XZF_PSTAR_2004_r2.pdf)

<< File: KE2XZF_PSTAR_2004_r2.pdf >>